

Claims

1. (Deleted)

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3. (Amended) A porous conductive sheet comprising flexible  
5 inorganic electrically conductive particles adhered to inorganic  
electrically conductive fibers and disposed to form a sheet,  
wherein the surfaces of the inorganic electrically conductive  
particles are recessed at the contact faces between the inorganic  
electrically conductive fibers and the inorganic electrically  
10 conductive particles.

4. (Amended) A porous conductive sheet according to claim  
3, which includes a water repellent material.

5. (Amended) A porous conductive sheet according to claim  
3, which substantially consists of the inorganic electrically  
15 conductive fibers and the inorganic electrically conductive  
particles only.

6. A porous conductive sheet according to claim 4, which  
substantially consists of the inorganic electrically conductive  
fibers, the inorganic electrically conductive particles and the  
20 water repellent material only.

7. (Amended) A porous conductive sheet according to any one  
of claims 3 through 6, wherein the length of the inorganic  
electrically conductive fibers is 3 mm or more.
8. (Amended) A porous conductive sheet according to any one  
5 of claims 3 through 7, wherein the diameter of the inorganic  
electrically conductive particles is 1/2 or more of the diameter  
of the inorganic electrically conductive fibers.
9. (Amended) A porous conductive sheet according to any one  
of claims 3 through 8, wherein the inorganic electrically  
10 conductive fibers are carbon fibers.
10. (Amended) A porous conductive sheet according to any one  
of claims 3 through 9, which has an electric resistance of 150  
 $\text{m}\Omega \cdot \text{cm}^2$  or less.
11. (Amended) A porous conductive sheet according to any one  
15 of claims 3 through 10, which has a thickness of 0.03 to 0.3 mm  
and a unit weight of 10 to 220  $\text{g}/\text{m}^2$ .
12. (Amended) A porous conductive sheet according to any one  
of claims 3 through 11, which has a tensile strength of 0.49 N/10  
mm width or more.
- 20 13. (Deleted)

14. (Deleted)

15. (Amended) A porous conductive sheet comprising expanded graphite particles adhered to inorganic electrically conductive fibers and disposed to form a sheet, wherein the surfaces of the  
5 expanded graphite particles are recessed at the contact faces between the inorganic electrically conductive fibers and the expanded graphite particles.

16. (Amended) A porous conductive sheet according to claim 15, which further contains a water repellent material.

10 17. (Amended) A porous conductive sheet according to claim 15, which substantially consists of the inorganic electrically conductive fibers and the inorganic electrically conductive particles only.

18. A porous conductive sheet according to claim 16, which  
15 substantially consists of the inorganic electrically conductive fibers, the inorganic electrically conductive particles and the water repellent material only.

19. (Amended) A porous conductive sheet according to claim 15, wherein the length of the inorganic electrically conductive  
20 fibers is 3 mm or more.

20. (Amended) A porous conductive sheet according to claim  
15, wherein the diameter of the inorganic electrically conductive  
particles is 1/2 or more of the diameter of the inorganic  
electrically conductive fibers.

5 21. (Amended) A porous conductive sheet according to any one  
of claims 15 through 20, wherein the inorganic electrically  
conductive fibers are carbon fibers.

22. (Amended) A porous conductive sheet according to any one  
of claims 15 through 21, which has an electric resistance of 150  
10 mΩ · cm<sup>2</sup> or less.

23. (Amended) A porous conductive sheet according to any one  
of claims 15 through 22, which has a thickness of 0.03 to 0.3 mm  
and a unit weight of 10 to 220 g/m<sup>2</sup>.

24. (Amended) A porous conductive sheet according to any one  
15 of claims 15 through 23, which has a tensile strength of 0.49 N/10  
mm width.

25. (Amended) A porous conductive sheet according to any one  
of claims 1 through 12 and claims 15 through 24, which is used  
as a current collector of a fuel cell.

26. (Amended) A current collector for a fuel cell, comprising the use of the porous conductive sheet as set forth in any one of claims 1 through 12 and claims 15 through 24.

27. A unit for a fuel cell, comprising the current collector as set forth in claim 26, provided with a catalyst layer.

28. A unit for a fuel cell, comprising the current collector as set forth in claim 26, provided with a catalyst layer and a  
5 polymer electrolyte film.

29. A fuel cell, comprising the unit as set forth in claim  
27 or 28.

30. A movable body, mounted with the fuel cell as set forth in claim 29.

10 31. (Amended) A method for producing the porous conductive sheet as set forth in any one of claims 1 through 12 and claims 15 through 24, comprising the step of pressurizing the porous conductive sheet in the direction perpendicular to the surface of the sheet in the step of forming the porous conductive sheet.